

Essential Questions

Learning Targets

SECTION 2

SHORT ANSWER Answer the following questions in the space provided.

1. Classify each of the following as a *homogeneous* or *heterogeneous* substance. (also define underlined in notebook)
- _____ a. iron ore
 - _____ b. quartz
 - _____ c. granite
 - _____ d. energy drink
 - _____ e. oil-and-vinegar salad dressing
 - _____ f. salt
 - _____ g. rainwater
 - _____ h. nitrogen

2. Classify each of the following as a *physical* or *chemical* change. (also define underlined in notebook)
- _____ a. ice melting
 - _____ b. paper burning
 - _____ c. metal rusting
 - _____ d. gas pressure increasing
 - _____ e. liquid evaporating
 - _____ f. food digesting

3. Compare a physical change with a chemical change. (3 full) (write in full sentences)
- _____
- _____
- _____
- _____
- _____

SECTION 2 continued

4. Compare and contrast each of the following terms:

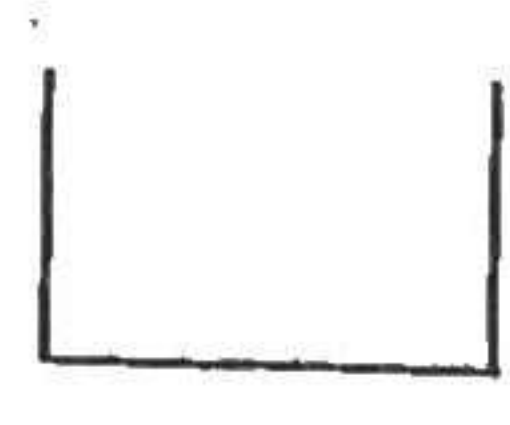
a. *mass* and *matter*

b. *atom* and compound (define underlined in notebook)

c. physical property and chemical property (define in notebook)

d. *homogeneous mixture* and *heterogeneous mixture*

5. Using circles to represent particles, draw a diagram that compares the arrangement of particles in the solid, liquid, and gas states.



Solid



Liquid



Gas

See diagram with teacher

6. How is energy involved in chemical and physical changes?
